Atty. Docket No.: WEAT/0524



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In The Application of:

William B. Vail, III

Serial No.: 10/678,738

Confirmation No.: 6117

Filed: October 2, 2003

For: METHOD AND APPARATUS

FOR CEMENTING DRILL STRINGS IN PLACE FOR ONE

PASS DRILLING AND

COMPLETION OF OIL AND

**GAS WELLS** 

Group Art Unit: 3672

Examiner:

Unknown

Customer No.: 36735

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 CERTIFICATE OF MAILING 37 CFR 1.8

I hereby certify that this correspondence is being deposited on 9 1000 with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

9 June 2004

Signature

Dear Sir:

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

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In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

Applicants believe that no fee is due with this submission. However, if the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/WEAT/0524/WBP.

Respectfully submitted,

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JUN 1 7 2004

## INFORMATION DISCLOSURES STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

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	Application Number	10/678,738
	Filing Date	October 2, 2003
	First Named Inventor	Vail, III
	Group Art Unit	3672
	Examiner Name	Unknown
	Attorney Docket Number	WEAT/0524
	Submission Date	June 9, 2004

•	U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	
		Number-Kind Code <sup>2 (if known)</sup>	IVIIVI-DD-TTTT	Applicant of Cited Document	Figures Appear	
	A1	US-6,345,669	Feb 12, 2002	Buyers et al.		
•	A2	US-6,318,470	Nov 20, 2001	Chang et al.		
	A3	US-6,241,031	Jun 5, 2001	Beaufort et al.		
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	A8	US-5,794,703	Aug 18, 1998	Newman et al.		
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	A15	US-5,209,304	May 11, 1993	Nice		
	A16	US-5,197,553	Mar 30, 1993	Leturno	· .	
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	A23	US-4,883,125	Nov 28, 1989	Wilson et al.		
***************************************	A24	US-4,686,653	Aug 11, 1987	Staron et al.		

Examiner Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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Sheet

1	ersons are required to respond to a collection	of information unless it displays a valid OMB control number	31
	Application Number	10/678,738	1
	Filing Date	October 2, 2003	
	First Named Inventor	Vail, III	
	Group Art Unit	3672	
	Examiner Name	Unknown	
	Attorney Docket Number	WEAT/0524	I
	Submission Date	June 9, 2004	ľ.

Examiner			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Initials*		Number-Kind Code <sup>2 (if known)</sup>			
	A25	US-4,651,837	Mar 24, 1987	Mayfield	
	A26	US-4,643,377	Feb 17, 1987	Christianson	
	A27	US-4,624,306	Nov 25, 1986	Traver et al.	
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	A39	US-3,603,411	Sep 7, 1971	Link	
	A40	US-3,552,508	Jan 5, 1971	Brown	**

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Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T <sup>6</sup>
Initials*	No.¹	Number-Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	·
	B1	EP 0 564 500 B1	05.10.94	Hallundbaek		
	B2	WO 98/06927	19.02.98	Simpson		
	В3	WO 95/21987	17.08.95	Einar		
	B4	WO 93/18277	16.09.93	Hallundbaek		
·	B5	WO 91/16520	31.10.91	Hallundbaek		

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## **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

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Application Number	10/678,738	
Filing Date	October 2, 2003	
First Named Inventor	Vail, III	
Group Art Unit	3672	
Examiner Name	Unknown	
Attorney Docket Number	WEAT/0524	,
Submission Date	June 9, 2004	

•		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
	C1	Rotary Steerable Technology – Technology Gains Momentum, Oil & Gas Journal, 12/28/1998	•
,	C2	Directional Drilling, M. Mims, World Oil, May 1999, pp. 40-43	
J	С3	Multilateral Classification System w/Example Applications", Alan MacKenzie & Cliff Hogg, World Oil, Jan. 1999, pp. 55-61	
	C4	Rotary Drilling, Open-Hole Fishing, Unit III, Lesson 2, Third Edition	
	C5	Rotary Drilling, Casing and Cementing, Unit II, Lesson 4, Second Edition	
	C6	Rotary Drilling, Drilling a Straight Hole, Unit II, Lesson 3, Second Edition	
	C7	Rotary Drilling, The Bit, Unit I, Lesson 2, Third Edition	
	C8	Rotary Drilling, Blowout Prevention, Unit III, Lesson 3, Third Edition	
	C9	Well Servicing and Workover, Artificial Lift Methods, Lesson 5, Petroleum Extension Service, The University of Texas at Austin	
	C10	Rotary Drilling, Drilling Mud, Unit II, Lesson 2, Third Edition	
	C11 /	Rotary Drilling, Subsea Blowout Preventers and Marine Riser Systems, Unit III, Lesson 4	
	C12	Well Servicing and Workover, Control of Formation Pressure, Lesson 9, Petroleum Extension Service, The University of Texas at Austin	
	C13	Well Servicing and Workover, Production Rig Equipment, Lesson 6, Petroleum Extension Service, The University of Texas at Austin	
	C14	Well Servicing and Workover, Petroleum Geology and Reservoirs, Lesson 2, Petroleum Extension Service, The University of Texas at Austin	• • •
	C15	Well Servicing and Workover, Well Logging Methods, Lesson 3, Petroleum Extension Service, The University of Texas at Austin	
	C16	Well Servicing and Workover, Introduction to Oil Well Service and Workover, Lesson 1, Petroleum Extension Service, The University of Texas at Austin	×
	C17	Well Servicing and Workover, Well Completion Methods, Lesson 4, Petroleum Extension Service, The University of Texas at Austin	
	C18	Rotary Drilling, Controlled Directional Drilling, Unit III, Lesson 1, Third Edition	
	C19	Well Servicing and Workover, Well Stimulation Treatments, Lesson 11, Petroleum Extension Service, The University of Texas at Austin	
	C20	Rotary Drilling, Making Hole, Unit II, Lesson 1, Second Edition	

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**Date Considered** 

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June 9, 2004

Under the Panerwork Reduction Act of 1995 no 10/678,738 **Application Number** Substitute for form 1449B/PTO Filing Date October 2, 2003 INFORMATION DISCLOSURE First Named Inventor Vail, III STATEMENT BY APPLICANT 3672 **Group Art Unit Examiner Name** Unknown (Use as many sheets as necessary) **Attorney Docket Number** WEAT/0524

Submission Date

Sheet

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²	
	C21	Well Servicing and Workover, Well Cleanout and Repair Methods, Lesson 8, Petroleum Extension Service, The University of Texas at Austin		
1	C22	Well Servicing and Workover, Well Servicing and Repair, Lesson 7, Petroleum Extension Service, The University of Texas at Austin		
· •	C23	Rotary Drilling, Circulating Systems, Unit I, Lesson 8, Third Edition		
	C24	Well Servicing and Workover, Well Service and Workover Profitability, Lesson 12, Petroleum Extension Service, The University of Texas at Austin		
	C25	Rotary Drilling, Testing and Completing, Unit II, Lesson 5, Second Edition		
	C26	Well Servicing and Workover, Fishing Tools and Techniques, Lesson 10, Petroleum Extension Service, The University of Texas at Austin		
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